

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 7-2005)		ATTORNEY'S DOCKET NUMBER L9289.06159
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		<b>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)</b> <b>10 / 579745</b>
INTERNATIONAL APPLICATION NO. PCT/JP2004/017096	INTERNATIONAL FILING DATE November 17, 2004	PRIORITY DATE CLAIMED See attached list
<b>TITLE OF INVENTION</b> <b>MULTI-ANTENNA RECEPTION APPARATUS, MULTI-ANTENNA RECEPTION METHOD, MULTI-ANTENNA TRANSMISSION APPARATUS AND MULTI-ANTENNA COMMUNICATION SYSTEM</b>		
<b>APPLICANT(S) FOR DO/EO/US</b> <b>Yutaka MURAKAMI, Kiyotaka KOBAYASHI, Masayuki ORIHASHI Akihiko MATSUOKA, Daichi IMAMURA and Rahul MALIK</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol>		
<b>Items 13 to 23 below concern document(s) or information included:</b> <ol style="list-style-type: none"> <li>13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>22. <input type="checkbox"/> Express Mail Label No.</li> </ol>		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO (if known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO.			ATTORNEY'S DOCKET NUMBER	
<b>101579745</b>	<b>PCT/JP2004/017096</b>			<b>L9289.06159</b>	
23. Other items or information:  Claim for Priority with PCT/IB/304 PCT/RO/101 Partial Application Data Sheet Letter Regarding Title of Application					
The following fees have been submitted:				CALCULATIONS PTO USE	
24. <input checked="" type="checkbox"/> Basic national fee .....				\$300	\$ \$300.00
25. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article				\$0	\$ \$200.00
All other situations.....				\$200	
26. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)... Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority.....				\$0	\$ \$400.00
International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB.....				\$400	
All other situations.....				\$500	
<b>TOTAL OF 24, 25 and 26 =</b>				\$ \$900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)		RATE	
410 - 100 =	310 /50 =	7		x \$250.00	\$ \$1,750.00
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA		RATE	
Total claims	34 - 20 =	14		x \$50.00	\$ \$700.00
Independent claims	5 - 3 =	2		x \$200.00	\$ \$400.00
MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> +				\$360.00	\$ \$0.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ \$3,750.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$ \$0.00	
<b>SUBTOTAL =</b>				\$ \$3,750.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(l)).				\$ \$0.00	
<b>TOTAL NATIONAL FEE =</b>				\$ \$3,750.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +				\$ \$0.00	
<b>TOTAL FEES ENCLOSED =</b>				\$ \$3,750.00	
				Amount to be	\$
				Amount to be	\$

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PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

a.  A check in the amount of \$ \$3,750.00 to cover the above fees is enclosed.

b.  Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.

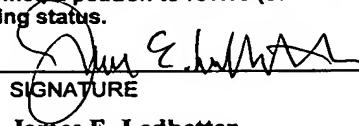
c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-4375. A duplicate copy of this sheet is enclosed.

d.  Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

## SEND ALL CORRESPONDENCE TO:

James E. Ledbetter  
STEVENS, DAVIS, MILLER & MOSHER, LLP  
1615 L Street, NW, Suite 850  
Washington, DC 20036

  
SIGNATURE

James E. Ledbetter

NAME

28,732

REGISTRATION NUMBER

May 18, 2006

DATE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventors: Yutaka MURAKAMI, et al.

Application No.: New PCT National Stage Application

Filed: May 18, 2006

For: MULTI-ANTENNA RECEPTION APPARATUS,  
MULTI-ANTENNA RECEPTION METHOD, MULTI-ANTENNA  
TRANSMISSION APPARATUS AND MULTI-ANTENNA  
COMMUNICATION SYSTEM

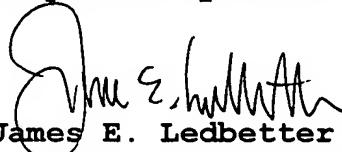
LETTER REGARDING TITLE OF APPLICATION

Assistant Commissioner of Patents  
Washington, DC 20231

Dear Sir:

The undersigned respectfully requests that the title printed on the Official Filing Receipt correspond to the title on the attached English translation of the specification and Declaration for Patent Application, and not the title on the International Publication.

Respectfully submitted,

  
James E. Ledbetter  
Registration No. 28,732

Date: May 18, 2006

JEL/spp

ATTORNEY DOCKET NO. L9289.06159  
STEVENS, DAVIS, MILLER & MOSHER, L.L.P.  
1615 L STREET, NW, Suite 850  
WASHINGTON, DC 20043-4387  
Telephone: (202) 785-0100  
Facsimile: (202) 408-5200

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IAP12 Rec'd PGCFPTD 18 MAY 2006

PRIORITY DATE CLAIMED:

1. JP2003-391860 - November 21, 2003
2. JP2004-003885 - January 9, 2004
3. JP2004-071780 - March 12, 2004
4. JP2004-139241 - May 7, 2004
5. JP2004-146887 - May 17, 2004
6. JP2004-180277 - June 17, 2004
7. JP2004-318521 - November 1, 2004